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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/844,625	04/27/2001	Martin Morris	WIDC-019/00US	2405
7590	04/04/2006		EXAMINER	
Christopher C. Winslade McAndrews, Held & Malloy 500 W. Madison Street Suite 3400 Chicago, IL 60661			LEE, CHI HO A	
			ART UNIT	PAPER NUMBER
			2616	

DATE MAILED: 04/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/844,625	MORRIS, MARTIN	
Examiner	Art Unit		
Andrew Lee	2616		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 16 January 2005.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-28 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) Claim(s) _____ is/are allowed.
6) Claim(s) 1-28 is/are rejected.
7) Claim(s) _____ is/are objected to.
8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

ANDREW C. LEE
PRIMARY PATENT EXAMINER

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application (PTO-152)

6) Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114 was filed in this application after appeal to the Board of Patent Appeals and Interferences, but prior to a decision on the appeal. Since this application is eligible for continued examination under 37 CFR 1.114 and the fee set forth in 37 CFR 1.17(e) has been timely paid, the appeal has been withdrawn pursuant to 37 CFR 1.114 and prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 1/17/06 has been entered.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Re Claims 1, 11, 16, 24, it is unclear what is meant by "electronic system does not have to be aware". It appears to be functional.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-5, 7, 10-13, 16-20, 22, and 24-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Bork U.S. Patent Number 6,255,800.

Re Claims 1, 11, 16, 24, fig. 19 teaches the Bluetooth (first protocol) HC, LM, LC, Radio collective (a device communication module) for communicating with device 50; USB (second protocol) Device controller (a system communication module) for communication with 70 (electronic system); BlueTooth USB Firmware (a translation unit) connected to both devices for protocol translation (See col. 6, lines 45 ~ col. 7, lines 1-20) *wherein 70 (electronic system) does not have to be aware of the first protocol to be in communication with the device 50 because the protocol translation is performed by the BlueTooth USB Firmware.*

Re Claims 2, 10, 12, 17, 25, refer to Claim 1, wherein Bluetooth USB Firmware is connected to 70 for translating information for device 50.

Re Claims 3, 13, 18, refer to Claim 1, 70 is a PC coupled to the USB port.

Re Claims 4, 19, 26, refer to Claim 1, Bluetooth LM & LC (a peripheral detection & connection module).

Re Claims 5, 20, 27, refer to Claim 4, wherein the 64, 66, 68 is the Bluetooth protocol stack.

Re Claims 7, 22, 28, the USB device controller coupled to the inherently includes the USB protocol stack.

Allowable Subject Matter

6. Claims 6, 8, 9, 14, 15, 21, 23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

In combination with Claims 1 and 6, prior art fails to Bluetooth multiplexing/demultiplexing connected to the translation unit.

Response to Arguments

7. Applicant's arguments filed 4/20/05 have been fully considered but they are not persuasive.

Applicant argues that Bork fails the amended portion of "*wherein electronic system does not have to be aware of the first protocol to be in communication with the device*". Examiner agrees, the electronic system does not have to be aware of the first protocol to be in communication with the device *because the protocol translation is performed by the BlueTooth USB Firmware*. The "*wherein*" clause in Claims 1, 11, 16, and 24 lacks positive recitation because it would not matter whether the system is aware or not because "*translation unit*" would have translated regardless.

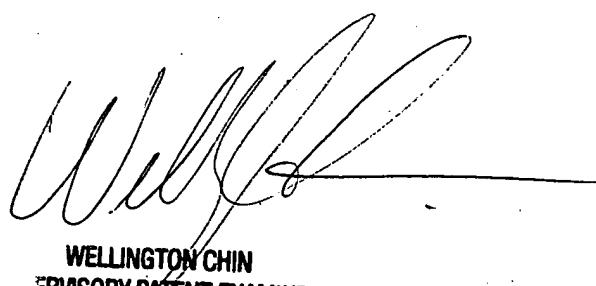
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AI

ANDREW C. LEE
PRIMARY PATENT EXAMINER



Wellington Chin
PRIMARY PATENT EXAMINER